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September 25, 2013

HAND DELIVERED

RECEIVED-FPSC  
13 SEP 25 PM 1:23  
COMMISSION  
CLERK

Ms. Ann Cole, Director  
Office of Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399-0850

Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance  
Incentive Factor; FPSC Docket No. 130001-EI

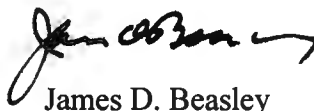
Dear Ms. Cole:

Enclosed for filing in the above docket are the original and ten (10) copies of Tampa  
Electric Company's GPIF Actual Unit Performance Data Schedules for the month of August  
2013.

Please acknowledge receipt and filing of the above by stamping the duplicate copy of this  
letter and returning same to this writer.

Thank you for your assistance in connection with this matter.

Sincerely,



James D. Beasley

JDB/ne  
Enclosure

COM	_____
AFD	6 _____
APA	1 _____
ECO	1 _____
ENG	1 _____
GCL	1 _____
IDM	_____
TEL	_____
CLK	_____

All parties of record (w/enc.)  
Mr. Tom Ballinger (w/enc.)

**CERTIFICATE OF SERVICE**

I HEREBY CERTIFY that a true and correct copy of the foregoing Schedules has been furnished by hand delivery (\*) or U.S. Mail on this 25<sup>th</sup> day of September 2013, to the following:

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Florida Public Service Commission  
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Washington, D.C. 20007-5201

  
\_\_\_\_\_  
ATTORNEY

ORIGINAL SHEET NO. 8.401.13A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2013 - DECEMBER 2013

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 1	JAN 13	FEB 13	MAR 13	APR 13	MAY 13	JUN 13	JUL 13	AUG 13	SEP 13	OCT 13	NOV 13	DEC 13	2013
1. EAF (%)	16.4	14.3	78.8	87.3	88.0	80.1	93.2	97.2					70.0
2. PH	744	672	743	720	744	720	744	744					5831
3. SH	122.4	159.0	663.7	651.8	659.0	601.3	716.6	744.0					4317.8
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
5. UH	621.6	513.0	79.3	68.2	85.0	118.8	27.4	0.0					1513.2
6. POH	257.0	513.0	0.0	0.0	0.0	0.0	0.0	0.0					770.0
7. FOH	364.6	0.0	79.3	68.2	85.0	118.8	27.4	0.0					743.2
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
9. PFOH	26.3	148.0	299.7	76.9	40.2	129.0	229.8	206.9					1156.8
10. LR PF (MW)	7.7	168.1	98.8	115.9	18.1	25.0	21.2	23.9					66.9
11. PMOH	0.8	0.0	22.9	1.7	8.0	81.7	23.5	21.3					160.0
12. LR PM (MW)	0.0	0.0	50.1	0.0	120.4	76.8	170.8	138.6					96.0
13. NSC (MW)	395	395	395	385	385	385	385	385					387
14. OPR BTU(GBTU)	487.0975	374.0533	2297.3731	2468.4777	2545.9370	2244.5798	2606.3129	2833.7228					15857.5540
15. NET GEN (MWH)	45745	32994	218329	237862	240612	212558	251543	270885					1510527
16. ANOHR (BTU/KWH)	10648	11337	10523	10378	10581	10560	10361	10461					10498
17. NOF (%)	94.6	52.5	83.3	94.8	94.8	91.8	91.2	94.6					90.4
18. NPC (MW)	395	395	395	385	385	385	385	385					389
19. ANOHR EQUATION	ANOHR = NOF(-12.004)+ 11,551												

ORIGINAL SHEET NO. 8.401.13A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2013 - DECEMBER 2013

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 2	JAN 13	FEB 13	MAR 13	APR 13	MAY 13	JUN 13	JUL 13	AUG 13	SEP 13	OCT 13	NOV 13	DEC 13	2013
1. EAF (%)	36.5	50.3	96.8	76.3	98.6	96.5	92.1	63.9					76.6
2. PH	744	672	743	720	744	720	744	744					5831
3. SH	278.2	433.3	743.0	577.4	744.0	720.0	744.0	494.9					4734.9
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
5. UH	465.8	238.7	0.0	142.6	0.0	0.0	0.0	249.1					1096.1
6. POH	217.4	213.8	0.0	0.0	0.0	0.0	0.0	0.0					431.2
7. FOH	248.4	24.8	0.0	0.0	0.0	0.0	0.0	249.1					522.3
8. MOH	0.0	0.0	0.0	142.6	0.0	0.0	0.0	0.0					142.6
9. PFOH	93.6	296.0	97.4	116.7	47.1	370.4	702.6	193.9					1917.6
10. LR PF (MW)	26.4	127.1	74.4	93.0	53.4	23.3	25.6	33.0					48.9
11. PMOH	15.0	0.7	16.2	1.6	12.8	5.6	35.7	9.1					96.7
12. LR PM (MW)	4.7	0.0	138.4	0.0	125.5	191.2	128.3	114.9					109.8
13. NSC (MW)	395	395	395	385	385	385	385	385					388
14. OPR BTU(GBTU)	1011.8110	1335.0391	2762.7110	2053.6345	2862.9044	2660.4901	2623.3398	1788.9470					17098.8769
15. NET GEN (MWH)	101821	119862	271581	202976	278394	259235	249537	172064					1655470
16. ANOHR (BTU/KWH)	9937	11138	10173	10118	10284	10263	10513	10397					10329
17. NOF (%)	92.6	70.0	92.5	91.3	97.2	93.5	87.1	90.3					90.1
18. NPC (MW)	395	395	395	385	385	385	385	385					389
19. ANOHR EQUATION	ANOHR = NOF(-11.395) + 11,200												

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ORIGINAL SHEET NO. 8.401.13A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2013 - DECEMBER 2013

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 3	JAN 13	FEB 13	MAR 13	APR 13	MAY 13	JUN 13	JUL 13	AUG 13	SEP 13	OCT 13	NOV 13	DEC 13	2013
1. EAF (%)	84.0	79.0	2.1	0.0	32.8	87.8	89.6	95.3					58.7
2. PH	744	672	743	720	744	720	744	744					5831
3. SH	744.0	672.0	21.1	0.0	254.6	644.7	744.0	726.2					3806.5
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
5. UH	0.0	0.0	721.9	720.0	489.4	75.3	0.0	17.8					2024.5
6. POH	0.0	0.0	721.9	720.0	435.9	0.0	0.0	0.0					1877.8
7. FOH	0.0	0.0	0.0	0.0	27.5	0.0	0.0	17.8					45.3
8. MOH	0.0	0.0	0.0	0.0	26.0	75.3	0.0	0.0					101.4
9. PFOH	342.2	23.0	0.0	0.0	52.7	36.8	171.7	37.7					664.0
10. LR PF (MW)	58.5	113.4	0.0	0.0	56.5	99.5	153.8	68.5					87.7
11. PMOH	401.8	649.0	21.1	0.0	4.3	10.1	22.1	32.7					1141.1
12. LR PM (MW)	58.6	75.5	88.9	0.0	205.9	101.7	82.2	112.7					71.7
13. N5C (MW)	365	365	365	365	365	365	365	365					365
14. OPR BTU(GBTU)	2382.3427	2039.6597	50.4865	0.0000	877.5093	2378.6065	2624.3036	2801.3188					13154.2270
15. NET GEN (MWH)	220461	188638	4505	0	86122	232486	249965	266551					1248728
16. ANOHR BTU/KWH	10806	10813	11207	0	10189	10231	10499	10510					10534
17. NOF (%)	81.2	76.9	58.5	0.0	92.7	98.8	92.0	100.6					89.9
18. NPC (MW)	365	365	365	365	365	365	365	365					365
19. ANOHR EQUATION	ANOHR = NOF(-21.678) + 12,439												

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ORIGINAL SHEET NO. 8.401.13A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2013 - DECEMBER 2013

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 4	JAN 13	FEB 13	MAR 13	APR 13	MAY 13	JUN 13	JUL 13	AUG 13	SEP 13	OCT 13	NOV 13	DEC 13	2013
1. EAF (%)	56.7	22.4	92.4	99.5	85.0	55.1	92.3	92.1					74.9
2. PH	744	672	743	720	744	720	744	744					5831
3. SH	744.0	261.8	722.1	720.0	671.8	409.3	690.5	694.7					4914.2
4. R5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
5. UH	0.0	410.3	20.9	0.0	72.2	310.7	53.5	49.3					916.8
6. POH	0.0	410.3	11.9	0.0	0.0	0.0	0.0	0.0					422.1
7. FOH	0.0	0.0	9.0	0.0	72.2	310.7	53.5	49.3					494.7
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
9. PFOH	738.5	261.8	269.5	30.7	593.0	111.5	0.0	94.2					2099.2
10. LR PF (MW)	180.4	177.3	43.9	4.6	25.2	16.1	0.0	40.8					101.1
11. PMOH	5.5	0.0	16.0	9.6	14.8	12.0	10.0	3.0					70.9
12. LR PM (MW)	222.4	0.0	193.2	141.2	77.6	282.1	164.6	0.0					167.1
13. NSC (MW)	417	417	417	407	407	407	407	407					411
14. OPR BTU(GBTU)	1903.3464	658.7300	2742.4696	2996.4592	2680.6620	1637.3214	2723.1753	2843.7188					18185.8828
15. NET GEN (MWH)	172056	60827	269732	288798	253441	155428	260830	269066					1730177
16. ANOHR BTU/KWH	11062	10830	10167	10376	10577	10534	10440	10569					10511
17. NOF (%)	55.5	55.7	89.6	98.6	92.7	93.3	92.8	95.2					85.8
18. NPC(MW)	417	417	417	407	407	407	407	407					411
19. ANOHR EQUATION	ANOHR = NOF(-24.581) + 12,591												

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ORIGINAL SHEET NO. 8.401.13A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2013 - DECEMBER 2013

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
POLK 1	JAN 13	FEB 13	MAR 13	APR 13	MAY 13	JUN 13	JUL 13	AUG 13	SEP 13	OCT 13	NOV 13	DEC 13	2013
1. EAF (%)	93.9	85.7	98.7	43.3	0.0	55.1	96.6	99.5					71.6
2. PH	744	672	743	720	744	720	744	744					5831
3. SH	698.6	443.5	717.9	184.9	0.0	396.8	695.2	740.0					3877.0
4. RSH	0.0	132.3	15.3	127.1	0.0	0.0	23.6	0.0					298.2
5. UH	45.4	96.1	9.8	408.0	744.0	323.2	25.2	4.0					1655.8
6. POH	0.0	0.0	0.0	408.0	744.0	185.3	0.0	0.0					1337.2
7. FOH	45.4	20.0	9.8	0.0	0.0	62.2	25.2	4.0					166.6
8. MOH	0.0	76.1	0.0	0.0	0.0	75.8	0.0	0.0					151.9
9. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
10. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
11. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
12. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
13. NSC (MW)	220	220	220	220	220	220	220	220					220
14. OPR BTU(GBTU)	1627.7924	1003.9540	1587.8821	410.1834	0.0000	759.2876	1499.3558	1631.1596					8519.6148
15. NET GEN (MWH)	152120	92880	153212	34073	-4609	59478	139297	161894					788346
16. ANOHR BTU/KWH	10701	10809	10364	12038	0	12766	10764	10075					10807
17. NOF (%)	99.0	95.2	97.0	83.7	0.0	68.1	91.1	99.4					92.4
18. NPC (MW)	220	220	220	220	220	220	220	220					220
19. ANOHR EQUATION	ANOHR = NOF(-130.472) + 22,869												

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ORIGINAL SHEET NO. 8.401.13A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2013 - DECEMBER 2013

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BAYSIDE UNIT 1	JAN 13	FEB 13	MAR 13	APR 13	MAY 13	JUN 13	JUL 13	AUG 13	SEP 13	OCT 13	NOV 13	DEC 13	2013
1. EAF (%)	99.9	100.0	72.8	100.0	99.6	99.1	99.0	96.6					95.8
2. PH	744	672	743	720	744	720	744	744					5831
3. SH	564.4	672.0	571.5	720.0	744.0	720.0	744.0	744.0					5479.9
4. RSH	179.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0					179.6
5. UH	0.0	0.0	171.5	0.0	0.0	0.0	0.0	0.0					171.5
6. POH	0.0	0.0	171.5	0.0	0.0	0.0	0.0	0.0					171.5
7. FOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
9. PFOH	2.8	0.0	0.0	1.0	4.5	19.5	0.8	0.0					28.5
10. LR PF (MW)	264.0	0.0	0.0	233.7	233.7	233.7	233.7	0.0					236.7
11. PMOH	0.0	0.0	101.0	0.0	4.4	0.0	22.6	75.9					203.8
12. LR PM (MW)	0.0	0.0	240.5	0.0	233.7	0.0	233.7	233.7					237.0
13. NSC (MW)	792	792	792	701	701	701	701	701					731
14. OPR BTU(GBTU)	2068.9170	2603.4990	1412.2370	2422.6010	2282.6310	2451.5690	2089.1720	2295.1710					17625.7970
15. NET GEN (MWH)	283302	361640	190076	331371	312471	336597	284611	315569					2415638
16. ANOHR (BTU/KWH)	7303	7199	7430	7311	7305	7283	7340	7273					7297
17. NOF (%)	63.4	67.9	42.0	65.7	59.9	66.7	54.6	60.5					60.3
18. NPC (MW)	792	792	792	701	701	701	701	701					735
19. ANOHR EQUATION	ANOHR = NOF(-12.033) + 8,180												

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ORIGINAL SHEET NO. 8.401.13A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2013 - DECEMBER 2013

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BAYSIDE UNIT 2	JAN 13	FEB 13	MAR 13	APR 13	MAY 13	JUN 13	JUL 13	AUG 13	SEP 13	OCT 13	NOV 13	DEC 13	2013
1. EAF (%)	72.4	75.0	71.6	62.9	98.0	99.7	98.2	93.4					83.4
2. PH	744	672	743	720	744	720	744	744					5831
3. SH	485.0	672.0	741.3	537.5	734.8	718.2	744.0	744.0					5376.8
4. RSH	259.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					259.0
5. UH	0.0	0.0	1.7	182.5	9.2	1.8	0.0	0.0					195.1
6. POH	0.0	0.0	1.7	175.6	0.0	0.0	0.0	0.0					177.3
7. FOH	0.0	0.0	0.0	0.0	9.2	1.8	0.0	0.0					11.0
8. MOH	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0					6.8
9. PFOH	744.0	672.0	743.0	337.8	22.5	1.5	0.7	16.0					2537.4
10. LR PF (MW)	289.2	262.1	261.8	232.3	232.3	232.3	232.3	232.3					265.5
11. PMOH	0.0	0.0	95.0	0.0	0.0	0.0	54.0	181.5					330.5
12. LR PM (MW)	0.0	0.0	261.8	0.0	0.0	0.0	232.3	232.3					240.7
13. NSC (MW)	1047	1047	1047	929	929	929	929	929					971
14. OPR BTU(GBTU)	1988.4890	2594.2940	2257.3990	2174.8410	2954.1160	3426.1030	2588.2280	2919.4870					20902.9570
15. NET GEN (MWH)	268566	351353	298785	291047	396114	464273	345463	392830					2808431
16. ANOHR (BTU/KWH)	7404	7384	7555	7472	7458	7380	7492	7432					7443
17. NOF (%)	52.9	49.9	38.5	58.3	58.0	69.6	50.0	56.8					53.8
18. NPC (MW)	1047	1047	1047	929	929	929	929	929					973
19. ANOHR EQUATION	ANOHR = NOF(-9.350) + 8,101												

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**Tampa Electric Company**  
**Outage Listing**  
(08/01/2013 - 08/31/2013)

Unit: **BIG BEND 1** MDC: **410** Run Date: **9/12/2013**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
134	Partial Forced Delayed	08/03/2013	06:50:00	08/03/2013	12:48:00	5.97	260	0331	BLR	B Fuel train coal leak repair
135	Partial Forced Immed	08/05/2013	01:15:00	08/05/2013	07:59:00	6.73	400	8551	POLL	Precipitator TR sets failed/ out of service
136	Partial Forced Immed	08/05/2013	13:35:00	08/05/2013	17:35:00	4	370	9660	RS&E	Discharge canal temperature limitations
137	Partial Forced Immed	08/05/2013	17:35:00	08/06/2013	00:01:00	6.43	350	9660	RS&E	Discharge canal temperature limitations
138	Partial Forced Immed	08/06/2013	00:01:00	08/06/2013	02:27:00	2.43	360	9660	RS&E	Discharge canal temperature limitations
139	Partial Forced Immed	08/06/2013	18:24:00	08/07/2013	02:23:00	7.98	400	8551	POLL	Precipitator TR sets failed/ out of service
140	Partial Maintenance	08/07/2013	02:23:00	08/07/2013	02:53:00	0.5	210	4268	TURB	Turbine valve testing
141	Partial Forced Immed	08/09/2013	17:45:00	08/09/2013	18:00:00	0.25	400	8652	POLL	Precipitator rapper control issues
142	Partial Forced Immed	08/09/2013	18:00:00	08/09/2013	19:00:00	1	380	8652	POLL	Precipitator rapper control issues
143	Partial Forced Immed	08/09/2013	19:00:00	08/09/2013	20:00:00	1	390	8652	POLL	Precipitator rapper control issues
144	Partial Forced Immed	08/14/2013	07:30:00	08/14/2013	10:30:00	3	400	8551	POLL	Precipitator TR sets failed/ out of service
145	Partial Forced Immed	08/14/2013	10:30:00	08/14/2013	11:00:00	0.5	300	3972	BLPT	B Pulverizer rating damper control problems
146	Partial Forced Immed	08/14/2013	11:00:00	08/14/2013	12:30:00	1.5	340	3501	BLPT	Heater drip pump process restart
147	Partial Forced Immed	08/14/2013	12:30:00	08/14/2013	14:30:00	2	320	3972	BLPT	B Pulverizer rating damper control problems
148	Partial Forced Immed	08/14/2013	14:30:00	08/14/2013	17:35:00	3.08	400	8551	POLL	Precipitator TR sets failed/ out of service
149	Partial Maintenance	08/15/2013	00:20:00	08/15/2013	01:00:00	0.67	270	3972	BLPT	B Pulverizer rating damper card replacement
150	Partial Maintenance	08/15/2013	01:00:00	08/15/2013	01:55:00	0.92	210	4268	TURB	Turbine valve testing
151	Planned Derating	08/15/2013	01:55:00	08/15/2013	03:00:00	1.08	270	3972	BLPT	B Pulverizer rating damper card replacement
152	Partial Forced Immed	08/15/2013	07:40:00	08/15/2013	08:00:00	0.33	360	8551	POLL	Precipitator TR sets failed/ out of service
153	Partial Forced Immed	08/15/2013	08:00:00	08/15/2013	08:30:00	0.5	350	8551	POLL	Precipitator TR sets failed/ out of service
154	Partial Forced Immed	08/15/2013	08:30:00	08/15/2013	10:45:00	2.25	370	8551	POLL	Precipitator TR sets failed/ out of service
155	Partial Forced Immed	08/15/2013	10:45:00	08/15/2013	11:45:00	1	380	8551	POLL	Precipitator TR sets failed/ out of service
156	Partial Forced Immed	08/15/2013	11:45:00	08/15/2013	17:05:00	5.33	400	8551	POLL	Precipitator TR sets failed/ out of service
157	Partial Forced Immed	08/17/2013	15:30:00	08/18/2013	07:00:00	15.5	400	8551	POLL	Precipitator TR sets failed/ out of service
158	Partial Forced Immed	08/18/2013	07:00:00	08/18/2013	10:35:00	3.58	350	3972	BLPT	13V power supply card went bad
159	Noncurtailing	08/18/2013	23:00:00	08/19/2013	01:10:00	2.17	330	8550	POLL	Precipitator power off rapping
160	Planned Derating	08/20/2013	00:25:00	08/20/2013	05:25:00	5	265	0340	BLR	A Mill Trunnion oil seal replacement
161	Partial Forced Immed	08/20/2013	10:07:00	08/20/2013	17:20:00	7.22	400	8551	POLL	Precipitator TR sets failed/ out of service

**Tampa Electric Company**  
**Outage Listing**  
(08/01/2013 - 08/31/2013)

Unit: **BIG BEND 1** MDC: **410** Run Date: **9/12/2013**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
162	Partial Forced Immed	08/22/2013	15:20:00	08/22/2013	23:35:00	8.25	400	8551	POLL	Precipitator TR sets failed/ out of service
163	Planned Derating	08/22/2013	23:35:00	08/23/2013	02:00:00	2.42	250	8550	POLL	Precipitator power off rapping
164	Partial Forced Immed	08/23/2013	02:00:00	08/24/2013	01:30:00	23.5	400	8551	POLL	Precipitator TR sets failed/ out of service
165	Planned Derating	08/24/2013	01:30:00	08/24/2013	07:45:00	6.25	230	1480	BLR	B ID Fan VFD cooling water pump replacement
166	Partial Forced Immed	08/26/2013	07:45:00	08/26/2013	09:50:00	2.08	345	3972	BLPT	13V DCS power supply cabinet overheated
167	Planned Derating	08/26/2013	23:45:00	08/27/2013	03:00:00	3.25	230	3310	BLPT	B & C Condensate pumps repack
168	Planned Derating	08/27/2013	03:00:00	08/27/2013	04:15:00	1.25	270	0127	BLR	C1 Crusher Dryer bearing seal ring repair
169	Partial Forced Immed	08/27/2013	07:15:00	08/27/2013	19:54:00	12.65	400	8551	POLL	Precipitator TR sets failed/ out of service
170	Partial Forced Immed	08/28/2013	17:13:00	08/28/2013	18:11:00	0.97	400	8551	POLL	Precipitator TR sets failed/ out of service
171	Partial Forced Immed	08/28/2013	18:11:00	08/29/2013	06:00:00	11.82	395	8551	POLL	Precipitator TR sets failed/ out of service
172	Partial Forced Immed	08/29/2013	06:00:00	08/30/2013	02:50:00	20.83	400	8551	POLL	Precipitator TR sets failed/ out of service
173	Partial Forced Immed	08/30/2013	02:50:00	08/30/2013	03:50:00	1	380	0250	BLR	Obstruction in C2 coal feeder
174	Partial Forced Immed	08/30/2013	03:50:00	08/30/2013	06:00:00	2.17	400	8551	POLL	Precipitator TR sets failed/ out of service
175	Partial Forced Immed	08/30/2013	06:00:00	08/30/2013	13:40:00	7.67	390	8551	POLL	Precipitator TR sets failed/ out of service
176	Partial Forced Immed	08/30/2013	13:40:00	08/30/2013	22:20:00	8.67	380	8551	POLL	Precipitator TR sets failed/ out of service
177	Partial Forced Immed	08/30/2013	22:20:00	08/31/2013	02:43:00	4.38	370	8551	POLL	Precipitator TR sets failed/ out of service
178	Partial Forced Immed	08/31/2013	02:43:00	08/31/2013	12:08:00	9.42	380	8551	POLL	Precipitator TR sets failed/ out of service
179	Partial Forced Immed	08/31/2013	12:08:00	08/31/2013	17:00:00	4.87	360	8551	POLL	Precipitator TR sets failed/ out of service
180	Partial Forced Immed	08/31/2013	17:00:00	08/31/2013	21:00:00	4	350	8551	POLL	Precipitator TR sets failed/ out of service
181	Partial Forced Immed	08/31/2013	21:00:00	09/01/2013	13:20:00	3	390	8551	POLL	Precipitator TR sets failed/ out of service

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**Tampa Electric Company**  
**Outage Listing**  
(08/01/2013 - 08/31/2013)

Unit: **BIG BEND 2** MDC: **410** Run Date: **9/12/2013**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
160	Partial Forced Immed	07/31/2013	18:40:00	08/01/2013	01:00:00	1	300	1455	BLR	A ID Fan tripped
161	Partial Forced Immed	07/31/2013	19:59:00	08/01/2013	01:00:00	1	240	8550	POLL	High opacity due to precipitator fouling
162	Partial Forced Immed	08/01/2013	01:00:00	08/01/2013	10:30:00	9.5	365	8550	POLL	High opacity due to precipitator fouling
165	Partial Forced Immed	08/01/2013	10:30:00	08/01/2013	14:00:00	3.5	375	8550	POLL	High opacity due to precipitator fouling
166	Partial Forced Immed	08/01/2013	14:00:00	08/01/2013	15:10:00	1.17	370	8550	POLL	High opacity due to precipitator fouling
167	Partial Forced Immed	08/01/2013	15:10:00	08/01/2013	19:30:00	4.33	365	8550	POLL	High opacity due to precipitator fouling
168	Partial Forced Immed	08/01/2013	19:30:00	08/02/2013	07:45:00	12.25	360	8550	POLL	High opacity due to precipitator fouling
169	Partial Forced Immed	08/02/2013	07:45:00	08/02/2013	09:47:00	2.03	380	8550	POLL	High opacity due to precipitator fouling
170	Partial Forced Immed	08/02/2013	09:47:00	08/02/2013	11:00:00	1.22	370	8550	POLL	High opacity due to precipitator fouling
171	Partial Forced Immed	08/02/2013	11:00:00	08/02/2013	15:15:00	4.25	365	8550	POLL	High opacity due to precipitator fouling
172	Partial Forced Immed	08/02/2013	15:15:00	08/03/2013	15:00:00	23.75	380	8550	POLL	High opacity due to precipitator fouling
173	Partial Forced Immed	08/03/2013	15:00:00	08/03/2013	20:00:00	5	350	8550	POLL	High opacity due to precipitator fouling
174	Partial Forced Immed	08/03/2013	20:00:00	08/04/2013	05:50:00	9.83	360	8550	POLL	High opacity due to precipitator fouling
175	Partial Forced Immed	08/04/2013	05:50:00	08/04/2013	07:48:00	1.97	370	8550	POLL	High opacity due to precipitator fouling
176	Partial Forced Immed	08/04/2013	07:48:00	08/04/2013	12:35:00	4.78	380	8550	POLL	High opacity due to precipitator fouling
177	Partial Forced Immed	08/04/2013	12:35:00	08/04/2013	23:10:00	10.58	370	8550	POLL	High opacity due to precipitator fouling
178	Partial Forced Immed	08/04/2013	23:10:00	08/05/2013	05:30:00	6.33	360	8550	POLL	High opacity due to precipitator fouling
179	Partial Forced Immed	08/05/2013	05:30:00	08/05/2013	10:40:00	5.17	380	8550	POLL	High opacity due to precipitator fouling
180	Partial Forced Immed	08/05/2013	10:40:00	08/05/2013	15:34:00	4.9	375	8550	POLL	High opacity due to precipitator fouling
181	Partial Forced Immed	08/05/2013	15:34:00	08/05/2013	19:40:00	4.1	365	8550	POLL	High opacity due to precipitator fouling
182	Partial Forced Immed	08/05/2013	19:40:00	08/06/2013	03:21:00	7.68	355	8550	POLL	High opacity due to precipitator fouling
183	Full Forced Delayed	08/06/2013	03:21:00	08/16/2013	12:25:00	249.07	0	1040	BLR	Tube leak
184	Planned Derating	08/17/2013	22:00:00	08/18/2013	04:50:00	6.83	280	0340	BLR	2B mill gear lube spray cleanup & repair
185	Planned Derating	08/20/2013	23:30:00	08/21/2013	01:15:00	0.75	280	0300	BLR	B Pulverizer motor oil change.
185	Planned Derating	08/20/2013	23:30:00	08/21/2013	01:15:00	1	280	0300	BLR	B Pulverizer motor oil change.
186	Partial Forced Delayed	08/21/2013	00:30:00	08/21/2013	04:32:00	0.75	200	3270	BLPT	Anode bar lodged in debris filter
186	Partial Forced Delayed	08/21/2013	00:30:00	08/21/2013	04:32:00	3.28	200	3270	BLPT	Anode bar lodged in debris filter
187	Partial Maintenance	08/22/2013	02:00:00	08/22/2013	02:12:00	0.2	210	4268	TURB	Turbine valve testing

**Tampa Electric Company**  
**Outage Listing**  
(08/01/2013 - 08/31/2013)

Unit: **BIG BEND 2** MDC: **410** Run Date: **9/12/2013**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
188	Partial Forced Immed	08/25/2013	12:45:00	08/26/2013	06:00:00	17.25	405	8550	POLL	High opacity due to precipitator fouling
189	Partial Maintenance	08/28/2013	00:40:00	08/28/2013	01:00:00	0.33	210	4268	TURB	Turbine valve testing
190	Partial Forced Immed	08/28/2013	06:30:00	08/28/2013	10:15:00	3.75	350	3661	BLPT	C Condensate pump 4160V breaker problems
191	Partial Forced Immed	08/30/2013	03:30:00	08/31/2013	08:15:00	28.75	400	8550	POLL	High opacity due to precipitator fouling
192	Partial Forced Immed	08/31/2013	08:15:00	08/31/2013	19:47:00	11.53	395	8550	POLL	High opacity due to precipitator fouling
193	Partial Forced Immed	08/31/2013	19:47:00	08/31/2013	21:05:00	1.3	400	8550	POLL	High opacity due to precipitator fouling
194	Partial Forced Immed	08/31/2013	21:05:00	09/01/2013	05:00:00	2.92	405	8550	POLL	High opacity due to precipitator fouling

**Tampa Electric Company  
Outage Listing  
(08/01/2013 - 08/31/2013)**

**Unit: BIG BEND 3      MDC: 390      Run Date: 9/12/2013**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
58	Planned Derating	08/02/2013	01:30:00	08/02/2013	07:00:00	5.5	220	3299	BLPT	B Condenser debris filter inspection
59	Partial Maintenance	08/03/2013	00:25:00	08/03/2013	01:00:00	0.58	320	4268	TURB	Turbine valve testing
60	Planned Derating	08/04/2013	00:15:00	08/04/2013	06:00:00	5.75	225	3299	BLPT	B Condenser debris filter repair
61	Partial Maintenance	08/05/2013	01:00:00	08/05/2013	04:25:00	3.42	320	0315	BLR	Mill peaking
62	Partial Forced Immed	08/05/2013	17:30:00	08/06/2013	02:27:00	8.95	380	9660	RS&E	Discharge canal temperature limitations
63	Partial Maintenance	08/10/2013	01:20:00	08/10/2013	01:50:00	0.5	320	4268	TURB	Turbine valve testing
64	Planned Derating	08/16/2013	23:17:00	08/17/2013	03:00:00	0.95	290	0126	BLR	A1 Crusher dryer oil leak repair
64	Planned Derating	08/16/2013	23:17:00	08/17/2013	03:00:00	2.77	290	0126	BLR	A1 Crusher dryer oil leak repair
65	Planned Derating	08/17/2013	00:14:00	08/17/2013	04:05:00	1.08	210	3220	BLPT	A Circulating water pump discharge line weld repair
65	Planned Derating	08/17/2013	00:14:00	08/17/2013	04:05:00	2.77	210	3220	BLPT	A Circulating water pump discharge line weld repair
66	Planned Derating	08/21/2013	23:30:00	08/22/2013	04:40:00	5.17	260	0300	BLR	3C Mill motor oil change
67	Partial Maintenance	08/24/2013	02:10:00	08/24/2013	03:05:00	0.92	320	4268	TURB	Turbine valve testing
68	Full Forced Delayed	08/24/2013	20:20:00	08/25/2013	14:10:00	17.83	0	1488	BLR	APH coupling failure
69	Planned Derating	08/28/2013	01:20:00	08/28/2013	04:40:00	3.33	210	1410	BLR	B Forced Draft fan motor oil change
70	Partial Forced Immed	08/28/2013	05:15:00	08/28/2013	06:10:00	0.92	210	1420	BLR	B Forced Draft fan inlet guide vanes inoperable
71	Partial Forced Immed	08/30/2013	20:12:00	09/01/2013	02:00:00	27.8	300	0300	BLR	C Pulverizer motor outboard bearing failure

**Tampa Electric Company**  
**Outage Listing**  
(08/01/2013 - 08/31/2013)

Unit: **BIG BEND 4** MDC: **440** Run Date: **9/12/2013**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
57	Partial Maintenance	08/04/2013	02:10:00	08/04/2013	02:45:00	0.58	260	4268	TURB	Turbine valve testing
58	Partial Forced Immed	08/05/2013	14:35:00	08/05/2013	17:30:00	2.92	425	9660	RS&E	Discharge canal temperature limitations
59	Partial Forced Immed	08/05/2013	17:30:00	08/05/2013	19:00:00	1.5	405	9660	RS&E	Discharge canal temperature limitations
60	Partial Forced Immed	08/05/2013	19:00:00	08/06/2013	02:27:00	7.45	355	9660	RS&E	Discharge canal temperature limitations
61	Partial Maintenance	08/11/2013	01:30:00	08/11/2013	02:10:00	0.67	240	4268	TURB	Turbine valve testing
62	Partial Maintenance	08/18/2013	01:30:00	08/18/2013	02:00:00	0.5	250	4268	TURB	Turbine valve testing
63	Partial Forced Immed	08/24/2013	18:08:00	08/24/2013	19:00:00	0.87	410	8551	POLL	Precipitator TR sets failed/ out of service
64	Partial Forced Immed	08/24/2013	19:00:00	08/24/2013	20:13:00	1.22	400	8551	POLL	Precipitator TR sets failed/ out of service
65	Partial Forced Immed	08/24/2013	20:13:00	08/24/2013	20:40:00	0.45	390	8551	POLL	Precipitator TR sets failed/ out of service
66	Partial Forced Immed	08/24/2013	20:40:00	08/25/2013	00:30:00	3.83	370	8551	POLL	Precipitator TR sets failed/ out of service
67	Partial Maintenance	08/25/2013	00:30:00	08/25/2013	01:47:00	1.28	250	4268	TURB	Turbine valve testing
68	Partial Forced Immed	08/25/2013	16:00:00	08/26/2013	07:13:00	15.22	430	8551	POLL	Precipitator TR sets failed/ out of service
69	Partial Forced Immed	08/26/2013	07:13:00	08/26/2013	10:38:00	3.42	420	8551	POLL	Precipitator TR sets failed/ out of service
70	Partial Forced Delayed	08/27/2013	13:25:00	08/29/2013	18:00:00	52.58	405	1050	BLR	Operating at reduced steam header (2150#) due to su:
71	Partial Forced Delayed	08/29/2013	18:00:00	08/29/2013	19:15:00	1.25	340	1050	BLR	Operating at reduced steam header (1800#) due to su:
72	Partial Forced Immed	08/29/2013	19:15:00	08/29/2013	22:44:00	3.48	190	8262	POLL	D Booster fan has high vibration
73	Full Forced Delayed	08/29/2013	22:44:00	01/01/2014	00:00:00	49.27	0	1050	BLR	Boiler tube leak



**Tampa Electric Company**  
**Outage Listing**  
(08/01/2013 - 08/31/2013)

**Unit: POLK 1 MDC: 290 Run Date: 9/12/2013**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
45	Noncurtailing	08/06/2013	05:15:00	08/06/2013	12:16:00	7.02	0	9657	RS&E	Testing on Nat Gas following conversion, aborted to su
46	Full Forced Immed	08/22/2013	16:35:00	08/22/2013	20:33:00	3.97	0	9020	EXTL	8F GTG tripped on transfer while co-firing when gasifie
47	Noncurtailing	08/22/2013	16:35:00	08/22/2013	23:19:00	6.73	0	5049	GAST	8F GEHO tripped during lightning storm
48	Noncurtailing	08/28/2013	11:30:00	08/28/2013	20:42:00	9.2	0	5049	GAST	8F GEHO #1 Diaphragm failure required shutdown to
49	Noncurtailing	08/01/2013	08:10:00	08/02/2013	11:47:00	27.62	0	5116	GAST	Co-firing w/ NG
50	Noncurtailing	08/12/2013	11:53:00	08/12/2013	22:04:00	10.18	0	5116	GAST	Co-firing w/ NG
51	Noncurtailing	08/13/2013	11:29:00	08/14/2013	05:31:00	18.03	0	5116	GAST	Co-firing w/ NG
52	Noncurtailing	08/14/2013	11:34:00	08/14/2013	16:56:00	5.37	0	5116	GAST	Co-firing w/ NG
53	Noncurtailing	08/15/2013	08:50:00	08/16/2013	16:01:00	31.18	0	5116	GAST	Co-firing w/ NG
54	Noncurtailing	08/19/2013	14:34:00	08/20/2013	15:37:00	25.05	0	5116	GAST	Co-firing w/ NG
55	Noncurtailing	08/23/2013	07:54:00	08/23/2013	16:45:00	8.85	0	5116	GAST	Co-firing w/ NG
56	Noncurtailing	08/29/2013	07:35:00	01/01/2014	00:00:00	64.42	0	5116	GAST	Co-firing w/ NG

**Tampa Electric Company**  
**Outage Listing**  
 (08/01/2013 - 08/31/2013)

Unit: **BAYSIDE ST1**      MDC: **236**      Run Date: **9/12/2013**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC

**Tampa Electric Company**  
**Outage Listing**  
(08/01/2013 - 08/31/2013)

Unit: **BAYSIDE CT1A** MDC: **158** Run Date: **9/12/2013**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
120	Reserve Shutdown	08/01/2013	00:24:00	08/01/2013	09:46:00	9.37	0	0000	UNKN RESERVE SHUTDOWN	
121	Reserve Shutdown	08/01/2013	23:17:00	08/02/2013	10:44:00	11.45	0	0000	UNKN RESERVE SHUTDOWN	
122	Reserve Shutdown	08/02/2013	19:05:00	08/02/2013	22:59:00	3.9	0	0000	UNKN RESERVE SHUTDOWN	
123	Maintenance Outage	08/02/2013	23:00:00	08/04/2013	12:30:00	37.5	0	5190	GAST 1A Boiler Feed Pump Replaced.	
124	Reserve Shutdown	08/04/2013	12:31:00	08/05/2013	09:38:00	21.12	0	0000	UNKN RESERVE SHUTDOWN	
125	Reserve Shutdown	08/07/2013	00:13:00	08/07/2013	10:00:00	9.78	0	0000	UNKN RESERVE SHUTDOWN	
126	Reserve Shutdown	08/09/2013	00:12:00	08/09/2013	09:28:00	9.27	0	0000	UNKN RESERVE SHUTDOWN	
127	Reserve Shutdown	08/09/2013	23:44:00	08/10/2013	10:31:00	10.78	0	0000	UNKN RESERVE SHUTDOWN	
128	Reserve Shutdown	08/12/2013	02:40:00	08/12/2013	10:17:00	7.62	0	0000	UNKN RESERVE SHUTDOWN	
129	Reserve Shutdown	08/13/2013	01:33:00	08/13/2013	10:16:00	8.72	0	0000	UNKN RESERVE SHUTDOWN	
130	Reserve Shutdown	08/14/2013	22:50:00	08/15/2013	10:28:00	11.63	0	0000	UNKN RESERVE SHUTDOWN	
131	Reserve Shutdown	08/16/2013	01:13:00	08/16/2013	09:55:00	8.7	0	0000	UNKN RESERVE SHUTDOWN	
132	Reserve Shutdown	08/17/2013	01:06:00	08/17/2013	13:16:00	12.17	0	0000	UNKN RESERVE SHUTDOWN	
133	Reserve Shutdown	08/18/2013	16:42:00	08/19/2013	10:07:00	17.42	0	0000	UNKN RESERVE SHUTDOWN	
134	Reserve Shutdown	08/20/2013	22:40:00	08/21/2013	10:36:00	11.93	0	0000	UNKN RESERVE SHUTDOWN	
135	Reserve Shutdown	08/21/2013	21:06:00	08/22/2013	07:31:00	10.42	0	0000	UNKN RESERVE SHUTDOWN	
136	Reserve Shutdown	08/22/2013	21:06:00	08/23/2013	10:30:00	13.4	0	0000	UNKN RESERVE SHUTDOWN	
137	Reserve Shutdown	08/23/2013	22:41:00	08/24/2013	09:26:00	10.75	0	0000	UNKN RESERVE SHUTDOWN	
138	Reserve Shutdown	08/25/2013	01:42:00	08/25/2013	11:18:00	9.6	0	0000	UNKN RESERVE SHUTDOWN	
139	Reserve Shutdown	08/27/2013	19:18:00	08/27/2013	20:59:00	1.68	0	0000	UNKN RESERVE SHUTDOWN	
140	Maintenance Outage	08/27/2013	21:00:00	08/29/2013	11:25:00	38.42	0	5049	GAST Repairs to 1A Fuel Gas Skid Performance Heater Hea	
141	Reserve Shutdown	08/29/2013	11:26:00	08/29/2013	11:59:00	0.55	0	0000	UNKN RESERVE SHUTDOWN	

**Tampa Electric Company**  
**Outage Listing**  
(08/01/2013 - 08/31/2013)

Unit: **BAYSIDE CT1B** MDC: **158** Run Date: **9/12/2013**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
119	Reserve Shutdown	08/01/2013	00:00:00	08/01/2013	09:01:00	9.02	0	0000	UNKN RESERVE SHUTDOWN	
120	Reserve Shutdown	08/01/2013	22:13:00	08/02/2013	08:49:00	10.6	0	0000	UNKN RESERVE SHUTDOWN	
121	Reserve Shutdown	08/04/2013	02:55:00	08/04/2013	10:31:00	7.6	0	0000	UNKN RESERVE SHUTDOWN	
122	Reserve Shutdown	08/07/2013	20:47:00	08/08/2013	06:35:00	9.8	0	0000	UNKN RESERVE SHUTDOWN	
123	Reserve Shutdown	08/08/2013	22:22:00	08/09/2013	08:41:00	10.32	0	0000	UNKN RESERVE SHUTDOWN	
124	Reserve Shutdown	08/09/2013	20:10:00	08/10/2013	09:17:00	13.12	0	0000	UNKN RESERVE SHUTDOWN	
125	Reserve Shutdown	08/10/2013	22:35:00	08/11/2013	09:24:00	10.82	0	0000	UNKN RESERVE SHUTDOWN	
126	Reserve Shutdown	08/11/2013	23:14:00	08/12/2013	08:44:00	9.5	0	0000	UNKN RESERVE SHUTDOWN	
127	Reserve Shutdown	08/13/2013	00:19:00	08/13/2013	09:06:00	8.78	0	0000	UNKN RESERVE SHUTDOWN	
128	Reserve Shutdown	08/13/2013	23:38:00	08/14/2013	07:04:00	7.43	0	0000	UNKN RESERVE SHUTDOWN	
129	Reserve Shutdown	08/15/2013	22:23:00	08/16/2013	06:46:00	8.38	0	0000	UNKN RESERVE SHUTDOWN	
130	Reserve Shutdown	08/16/2013	22:32:00	08/17/2013	09:42:00	11.17	0	0000	UNKN RESERVE SHUTDOWN	
131	Reserve Shutdown	08/18/2013	01:38:00	08/18/2013	12:02:00	10.4	0	0000	UNKN RESERVE SHUTDOWN	
132	Reserve Shutdown	08/18/2013	21:05:00	08/19/2013	11:00:00	13.92	0	0000	UNKN RESERVE SHUTDOWN	
133	Reserve Shutdown	08/19/2013	23:03:00	08/20/2013	10:33:00	11.5	0	0000	UNKN RESERVE SHUTDOWN	
134	Reserve Shutdown	08/20/2013	19:51:00	08/21/2013	06:57:00	11.1	0	0000	UNKN RESERVE SHUTDOWN	
135	Reserve Shutdown	08/21/2013	17:30:00	08/22/2013	10:01:00	16.52	0	0000	UNKN RESERVE SHUTDOWN	
136	Reserve Shutdown	08/22/2013	15:59:00	08/23/2013	08:06:00	16.12	0	0000	UNKN RESERVE SHUTDOWN	
137	Reserve Shutdown	08/23/2013	18:59:00	08/24/2013	11:50:00	16.85	0	0000	UNKN RESERVE SHUTDOWN	
138	Reserve Shutdown	08/24/2013	21:33:00	08/25/2013	08:18:00	10.75	0	0000	UNKN RESERVE SHUTDOWN	
139	Reserve Shutdown	08/25/2013	22:15:00	08/26/2013	11:37:00	13.37	0	0000	UNKN RESERVE SHUTDOWN	
140	Reserve Shutdown	08/26/2013	19:03:00	08/27/2013	09:51:00	14.8	0	0000	UNKN RESERVE SHUTDOWN	
141	Reserve Shutdown	08/28/2013	22:54:00	08/29/2013	09:18:00	10.4	0	0000	UNKN RESERVE SHUTDOWN	
142	Reserve Shutdown	08/29/2013	18:23:00	08/30/2013	04:38:00	10.25	0	0000	UNKN RESERVE SHUTDOWN	
143	Reserve Shutdown	08/30/2013	22:38:00	08/31/2013	08:24:00	9.77	0	0000	UNKN RESERVE SHUTDOWN	
144	Reserve Shutdown	08/31/2013	23:46:00	08/31/2013	23:59:00	0.22	0	0000	UNKN RESERVE SHUTDOWN	

**Tampa Electric Company**  
**Outage Listing**  
(08/01/2013 - 08/31/2013)

Unit: **BAYSIDE CT1C** MDC: **158** Run Date: **9/12/2013**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
114	Reserve Shutdown	08/02/2013	23:01:00	08/03/2013	09:10:00	10.15	0	0000	UNKN RESERVE SHUTDOWN	
115	Reserve Shutdown	08/04/2013	23:47:00	08/05/2013	09:03:00	9.27	0	0000	UNKN RESERVE SHUTDOWN	
116	Reserve Shutdown	08/07/2013	22:47:00	08/08/2013	10:27:00	11.67	0	0000	UNKN RESERVE SHUTDOWN	
117	Reserve Shutdown	08/17/2013	18:03:00	08/18/2013	09:44:00	15.68	0	0000	UNKN RESERVE SHUTDOWN	
118	Reserve Shutdown	08/19/2013	21:19:00	08/20/2013	07:54:00	10.58	0	0000	UNKN RESERVE SHUTDOWN	
119	Reserve Shutdown	08/25/2013	18:42:00	08/26/2013	09:45:00	15.05	0	0000	UNKN RESERVE SHUTDOWN	
120	Reserve Shutdown	08/26/2013	22:22:00	08/27/2013	12:58:00	14.6	0	0000	UNKN RESERVE SHUTDOWN	
121	Reserve Shutdown	08/27/2013	21:53:00	08/28/2013	10:09:00	12.27	0	0000	UNKN RESERVE SHUTDOWN	
122	Reserve Shutdown	08/30/2013	00:40:00	08/30/2013	09:43:00	9.05	0	0000	UNKN RESERVE SHUTDOWN	
123	Reserve Shutdown	08/31/2013	02:54:00	08/31/2013	12:42:00	9.8	0	0000	UNKN RESERVE SHUTDOWN	
124	Reserve Shutdown	08/31/2013	21:48:00	08/31/2013	23:59:00	2.18	0	0000	UNKN RESERVE SHUTDOWN	

**Tampa Electric Company  
Outage Listing**  
(08/01/2013 - 08/31/2013)

Unit: BAYSIDE ST2      MDC: 308      Run Date: 9/12/2013

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC

**Tampa Electric Company**  
**Outage Listing**  
(08/01/2013 - 08/31/2013)

Unit: **BAYSIDE CT2A** MDC: **158** Run Date: **9/12/2013**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
136	Reserve Shutdown	08/01/2013	00:00:00	08/01/2013	07:48:00	7.8	0	0000	UNKN	RESERVE SHUTDOWN
137	Reserve Shutdown	08/02/2013	00:39:00	08/02/2013	11:32:00	10.88	0	0000	UNKN	RESERVE SHUTDOWN
138	Reserve Shutdown	08/03/2013	00:55:00	08/03/2013	09:57:00	9.03	0	0000	UNKN	RESERVE SHUTDOWN
139	Reserve Shutdown	08/03/2013	23:49:00	08/04/2013	09:17:00	9.47	0	0000	UNKN	RESERVE SHUTDOWN
140	Reserve Shutdown	08/04/2013	22:35:00	08/05/2013	09:55:00	11.33	0	0000	UNKN	RESERVE SHUTDOWN
141	Reserve Shutdown	08/05/2013	23:53:00	08/06/2013	09:11:00	9.3	0	0000	UNKN	RESERVE SHUTDOWN
142	Reserve Shutdown	08/06/2013	23:12:00	08/07/2013	08:40:00	9.47	0	0000	UNKN	RESERVE SHUTDOWN
143	Reserve Shutdown	08/11/2013	02:28:00	08/11/2013	10:02:00	7.57	0	0000	UNKN	RESERVE SHUTDOWN
144	Reserve Shutdown	08/15/2013	01:15:00	08/15/2013	09:19:00	8.07	0	0000	UNKN	RESERVE SHUTDOWN
145	Reserve Shutdown	08/16/2013	02:08:00	08/16/2013	10:53:00	8.75	0	0000	UNKN	RESERVE SHUTDOWN
146	Reserve Shutdown	08/16/2013	19:09:00	08/17/2013	09:01:00	13.87	0	0000	UNKN	RESERVE SHUTDOWN
147	Reserve Shutdown	08/17/2013	17:29:00	08/17/2013	18:25:00	0.93	0	0000	UNKN	RESERVE SHUTDOWN
148	Maintenance Outage	08/17/2013	18:26:00	08/18/2013	03:00:00	8.57	0	5073	GAST	R/R "D" flame scanner
149	Reserve Shutdown	08/18/2013	03:01:00	08/18/2013	09:25:00	6.4	0	0000	UNKN	RESERVE SHUTDOWN
150	Reserve Shutdown	08/18/2013	22:48:00	08/19/2013	08:18:00	9.5	0	0000	UNKN	RESERVE SHUTDOWN
151	Reserve Shutdown	08/19/2013	23:46:00	08/20/2013	09:13:00	9.45	0	0000	UNKN	RESERVE SHUTDOWN
152	Reserve Shutdown	08/21/2013	00:10:00	08/21/2013	09:25:00	9.25	0	0000	UNKN	RESERVE SHUTDOWN
153	Reserve Shutdown	08/22/2013	00:00:00	08/22/2013	09:04:00	9.07	0	0000	UNKN	RESERVE SHUTDOWN
154	Reserve Shutdown	08/22/2013	23:26:00	08/23/2013	13:49:00	14.38	0	0000	UNKN	RESERVE SHUTDOWN
155	Reserve Shutdown	08/23/2013	23:38:00	08/24/2013	08:38:00	9	0	0000	UNKN	RESERVE SHUTDOWN
156	Reserve Shutdown	08/25/2013	23:06:00	08/26/2013	12:14:00	13.13	0	0000	UNKN	RESERVE SHUTDOWN
157	Reserve Shutdown	08/26/2013	21:30:00	08/27/2013	10:46:00	13.27	0	0000	UNKN	RESERVE SHUTDOWN
158	Full Forced Immed	08/27/2013	14:41:00	08/27/2013	15:38:00	0.95	0	5049	GAST	Gas Skid Performance Heater High Temperature Trip
159	Reserve Shutdown	08/28/2013	01:26:00	08/28/2013	11:01:00	9.58	0	0000	UNKN	RESERVE SHUTDOWN
160	Reserve Shutdown	08/29/2013	23:35:00	08/30/2013	08:03:00	8.47	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company**  
**Outage Listing**  
(08/01/2013 - 08/31/2013)

**Unit: BAYSIDE CT2B MDC: 158 Run Date: 9/12/2013**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
96	Maintenance Outage	08/01/2013	00:00:00	08/07/2013	08:43:00	152.72	0	4550	GEN	Repairs to #3 generator bearing
97	Reserve Shutdown	08/07/2013	08:44:00	08/07/2013	09:34:00	0.83	0	0000	UNKN	RESERVE SHUTDOWN
98	Reserve Shutdown	08/08/2013	00:52:00	08/08/2013	09:35:00	8.72	0	0000	UNKN	RESERVE SHUTDOWN
99	Reserve Shutdown	08/08/2013	23:17:00	08/09/2013	10:42:00	11.42	0	0000	UNKN	RESERVE SHUTDOWN
100	Reserve Shutdown	08/09/2013	18:59:00	08/10/2013	08:40:00	13.68	0	0000	UNKN	RESERVE SHUTDOWN
101	Reserve Shutdown	08/11/2013	00:13:00	08/11/2013	08:40:00	8.45	0	0000	UNKN	RESERVE SHUTDOWN
102	Reserve Shutdown	08/12/2013	01:08:00	08/12/2013	09:21:00	8.22	0	0000	UNKN	RESERVE SHUTDOWN
103	Reserve Shutdown	08/12/2013	22:52:00	08/13/2013	05:55:00	7.05	0	0000	UNKN	RESERVE SHUTDOWN
104	Reserve Shutdown	08/14/2013	02:20:00	08/14/2013	08:44:00	6.4	0	0000	UNKN	RESERVE SHUTDOWN
105	Reserve Shutdown	08/14/2013	21:37:00	08/15/2013	08:36:00	10.98	0	0000	UNKN	RESERVE SHUTDOWN
106	Reserve Shutdown	08/15/2013	23:36:00	08/16/2013	08:42:00	9.1	0	0000	UNKN	RESERVE SHUTDOWN
107	Reserve Shutdown	08/16/2013	21:35:00	08/17/2013	10:41:00	13.1	0	0000	UNKN	RESERVE SHUTDOWN
108	Reserve Shutdown	08/17/2013	23:00:00	08/18/2013	13:29:00	14.48	0	0000	UNKN	RESERVE SHUTDOWN
109	Reserve Shutdown	08/18/2013	22:05:00	08/19/2013	10:35:00	12.5	0	0000	UNKN	RESERVE SHUTDOWN
110	Reserve Shutdown	08/19/2013	22:11:00	08/20/2013	11:44:00	13.55	0	0000	UNKN	RESERVE SHUTDOWN
111	Reserve Shutdown	08/20/2013	21:27:00	08/21/2013	11:13:00	13.77	0	0000	UNKN	RESERVE SHUTDOWN
112	Reserve Shutdown	08/21/2013	23:00:00	08/22/2013	10:54:00	11.9	0	0000	UNKN	RESERVE SHUTDOWN
113	Reserve Shutdown	08/22/2013	22:04:00	08/23/2013	12:11:00	14.12	0	0000	UNKN	RESERVE SHUTDOWN
114	Reserve Shutdown	08/23/2013	21:11:00	08/24/2013	10:40:00	13.48	0	0000	UNKN	RESERVE SHUTDOWN
115	Reserve Shutdown	08/25/2013	20:01:00	08/26/2013	10:29:00	14.47	0	0000	UNKN	RESERVE SHUTDOWN
116	Reserve Shutdown	08/26/2013	16:17:00	08/27/2013	08:40:00	16.38	0	0000	UNKN	RESERVE SHUTDOWN
117	Reserve Shutdown	08/27/2013	21:07:00	08/28/2013	06:12:00	9.08	0	0000	UNKN	RESERVE SHUTDOWN
118	Reserve Shutdown	08/28/2013	21:58:00	08/29/2013	10:27:00	12.48	0	0000	UNKN	RESERVE SHUTDOWN
119	Reserve Shutdown	08/30/2013	02:30:00	08/30/2013	10:28:00	7.97	0	0000	UNKN	RESERVE SHUTDOWN
120	Full Forced Immed	08/30/2013	13:34:00	08/31/2013	02:00:00	12.43	0	5049	GAST	Failure of the fuel gas skid PLC I/O Rack Power Suppl
121	Reserve Shutdown	08/31/2013	02:01:00	08/31/2013	08:36:00	6.58	0	0000	UNKN	RESERVE SHUTDOWN
122	Full Forced Immed	08/31/2013	08:37:00	08/31/2013	09:13:00	0.6	0	4609	GEN	Exciter breaker opened on startup causing failure to st
123	Reserve Shutdown	08/31/2013	09:14:00	08/31/2013	09:44:00	0.5	0	0000	UNKN	RESERVE SHUTDOWN



**Tampa Electric Company  
Outage Listing  
(08/01/2013 - 08/31/2013)**

**Unit: BAYSIDE CT2C MDC: 158 Run Date: 9/12/2013**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
17	Full Forced Immed	08/14/2013	01:04:00	08/14/2013	02:35:00	1.52	0	4605	GEN	2C Exciter tripped on GSU pressure trip.
18	Reserve Shutdown	08/14/2013	02:36:00	08/14/2013	09:52:00	7.27	0	0000	UNKN	RESERVE SHUTDOWN
19	Maintenance Outage	08/24/2013	18:12:00	08/25/2013	02:30:00	8.3	0	5073	GAST	Replacement of the 'D' flame scanner.
20	Reserve Shutdown	08/25/2013	02:31:00	08/25/2013	08:40:00	6.15	0	0000	UNKN	RESERVE SHUTDOWN
21	Reserve Shutdown	08/28/2013	23:43:00	08/29/2013	11:12:00	11.48	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company**  
**Outage Listing**  
(08/01/2013 - 08/31/2013)

**Unit: BAYSIDE CT2D MDC: 158 Run Date: 9/12/2013**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
139	Reserve Shutdown	08/01/2013	00:00:00	08/01/2013	10:57:00	10.95	0	0000	UNKN RESERVE SHUTDOWN	
142	Reserve Shutdown	08/01/2013	21:25:00	08/02/2013	09:40:00	12.25	0	0000	UNKN RESERVE SHUTDOWN	
143	Reserve Shutdown	08/02/2013	22:06:00	08/03/2013	08:23:00	10.28	0	0000	UNKN RESERVE SHUTDOWN	
144	Reserve Shutdown	08/03/2013	20:18:00	08/04/2013	08:50:00	12.53	0	0000	UNKN RESERVE SHUTDOWN	
145	Reserve Shutdown	08/04/2013	19:50:00	08/05/2013	07:52:00	12.03	0	0000	UNKN RESERVE SHUTDOWN	
146	Reserve Shutdown	08/05/2013	22:38:00	08/06/2013	06:30:00	7.87	0	0000	UNKN RESERVE SHUTDOWN	
147	Reserve Shutdown	08/06/2013	22:11:00	08/07/2013	06:31:00	8.33	0	0000	UNKN RESERVE SHUTDOWN	
148	Reserve Shutdown	08/07/2013	23:43:00	08/08/2013	08:31:00	8.8	0	0000	UNKN RESERVE SHUTDOWN	
149	Reserve Shutdown	08/08/2013	21:47:00	08/09/2013	06:51:00	9.07	0	0000	UNKN RESERVE SHUTDOWN	
150	Reserve Shutdown	08/09/2013	22:37:00	08/10/2013	09:58:00	11.35	0	0000	UNKN RESERVE SHUTDOWN	
151	Reserve Shutdown	08/10/2013	21:43:00	08/10/2013	22:06:00	0.38	0	0000	UNKN RESERVE SHUTDOWN	
152	Maintenance Outage	08/10/2013	22:07:00	08/11/2013	10:00:00	11.88	0	5073	GAST R/R flame scanner	
153	Reserve Shutdown	08/11/2013	10:01:00	08/11/2013	10:31:00	0.5	0	0000	UNKN RESERVE SHUTDOWN	
154	Reserve Shutdown	08/11/2013	22:47:00	08/12/2013	06:04:00	7.28	0	0000	UNKN RESERVE SHUTDOWN	
155	Reserve Shutdown	08/12/2013	23:35:00	08/13/2013	08:23:00	8.8	0	0000	UNKN RESERVE SHUTDOWN	
156	Reserve Shutdown	08/13/2013	23:36:00	08/14/2013	05:38:00	6.03	0	0000	UNKN RESERVE SHUTDOWN	
157	Reserve Shutdown	08/14/2013	18:33:00	08/15/2013	06:33:00	12	0	0000	UNKN RESERVE SHUTDOWN	
158	Reserve Shutdown	08/15/2013	21:23:00	08/16/2013	05:13:00	7.83	0	0000	UNKN RESERVE SHUTDOWN	
159	Reserve Shutdown	08/17/2013	01:25:00	08/17/2013	11:32:00	10.12	0	0000	UNKN RESERVE SHUTDOWN	
160	Reserve Shutdown	08/17/2013	19:30:00	08/18/2013	10:46:00	15.27	0	0000	UNKN RESERVE SHUTDOWN	
161	Reserve Shutdown	08/18/2013	19:29:00	08/19/2013	12:46:00	17.28	0	0000	UNKN RESERVE SHUTDOWN	
162	Full Forced Immed	08/19/2013	12:47:00	08/19/2013	13:16:00	0.48	0	5016	GAST Compressor bleed valve #3 failure to close.	
163	Reserve Shutdown	08/19/2013	19:21:00	08/20/2013	12:55:00	17.57	0	0000	UNKN RESERVE SHUTDOWN	
164	Reserve Shutdown	08/20/2013	18:40:00	08/21/2013	11:49:00	17.15	0	0000	UNKN RESERVE SHUTDOWN	
165	Reserve Shutdown	08/21/2013	18:38:00	08/22/2013	12:33:00	17.92	0	0000	UNKN RESERVE SHUTDOWN	
166	Reserve Shutdown	08/22/2013	17:21:00	08/23/2013	09:38:00	16.28	0	0000	UNKN RESERVE SHUTDOWN	
167	Reserve Shutdown	08/23/2013	18:25:00	08/24/2013	13:25:00	19	0	0000	UNKN RESERVE SHUTDOWN	
168	Reserve Shutdown	08/24/2013	23:03:00	08/25/2013	13:47:00	14.73	0	0000	UNKN RESERVE SHUTDOWN	

**Tampa Electric Company**  
**Outage Listing**  
 (08/01/2013 - 08/31/2013)

Unit: **BAYSIDE CT2D** MDC: **158** Run Date: **9/12/2013**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
169	Reserve Shutdown	08/25/2013	18:02:00	08/26/2013	07:34:00	13.53	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
170	Reserve Shutdown	08/26/2013	23:11:00	08/27/2013	11:54:00	12.72	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
171	Reserve Shutdown	08/28/2013	00:21:00	08/28/2013	12:01:00	11.67	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
172	Reserve Shutdown	08/28/2013	20:59:00	08/29/2013	07:22:00	10.38	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
173	Reserve Shutdown	08/29/2013	22:42:00	08/30/2013	06:18:00	7.6	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
174	Reserve Shutdown	08/30/2013	23:59:00	08/31/2013	09:09:00	9.17	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
175	Reserve Shutdown	08/31/2013	22:29:00	08/31/2013	23:59:00	1.5	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN

Tampa Electric Company  
 Actual Unit Performance  
 Outage Listing Abbreviations and Descriptions

AGA	Acid Gas Absorber	IP	Intermediate Pressure
APH	Air Preheater	KO	Knock Out
ASU	Air Separation Unit	LCI	Load Commutated Inverter
BFP	Boiler Feed Pump	LOTO	Lock Out Tag Out
BFPT	Boiler Feed Pump Turbine	LOX	Low Oxygen
COS	Carbonyl Sulfide	LP	Low Pressure
CRH	Cold Reheat	LVDT	Linear Variable Differential Transducer
CSC	Convective Syngas Coolers	MAC	Main Air Compressor
CT	Combustion Turbine	MkVIe	Mark 5e GE Logic Controller
DCS	Digital Control System	MOC	Motor Operated Control
EH	Electro Hydraulic	MOV	Motor Operated Valve
FAT	Final Absorber Tower	PLC	Programmable Logic Controller
FD	Forced Draft	Pp	Pump
Fdwtr	Feed water	RATA	Relative Accuracy Test Audit
FGD	Flue Gas Desulfurization	RSV	Reheat Stop Valve
GEHO	Manufacturer of Slurry Pump	RTD	Resistance Temperature Device
GTG	Gas Turbine Generator	SAP	Sulfuric Acid Plant
HP	High Pressure	ST	Steam Turbine
HRSG	Heat Recovery Steam Generator	STARSS	Strategic Anti-Rotating Stall Schedule
HX	Heat Exchanger	T/R	Transformer Rectifier
IAS	Instrument Air Supply	TC	Thermocouple
ID	Induced Draft	WWTL	Water wall tube leak
		ZBL	Zero Ball Loss condenser cleaning system